Appl. No. 10/583,301
Amdt. dated June 11, 2007
Reply to Notification of Missing Requirements of April 11, 2007

PATENT

Amendments to the Specification:

Please replace the paragraph beginning at page 11, line 20, with the following:

--Although the present examples use KKSS (SEQ ID NO:5) as the ER retention and retrieval signal sequence, other ER retention and retrieval signal sequences (such as KKXX where X is an amino acid other than "S" (SEQ ID NO:12)) can be used to retrieve and retain the protein in the ER. The scope of this invention is not limited to any particular prokaryotic delta-9 desaturase enzyme or any particular signal sequence, or any particular combination thereof. That is, other delta-9 desaturase enzymes and other ER retention and retrieval signal sequences may be used in the present invention.--

Please cancel the present "SEQUENCE LISTING", pages 1-4, submitted June 16, 2006, and insert therefor the accompanying paper copy of the Substitute Sequence Listing, page numbers 1 to 5, at the end of the application.